
























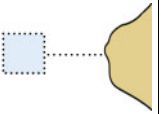
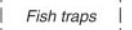
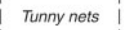



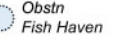

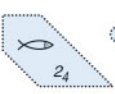

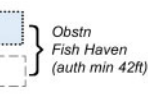


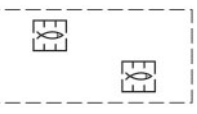





# K Rocks, Wrecks and Obstructions

General				
1		Danger line: A danger line draws attention to a danger which would not stand out clearly enough if represented solely by its symbol (e.g. isolated rock) or delimits an area containing numerous dangers, through which it is unsafe to navigate		
2		Swept by wire drag or diver		
3		Depth unknown, but estimated to have a safe clearance to the depth shown		
Rocks				
Plane of Reference for Heights → H		Plane of Reference for Depths → H		
10		Rock (islet) which does not cover, height above height datum		
11		Rock which covers and uncovers, height above chart datum		
12		Rock awash at the level of chart datum		
13		Underwater rock of unknown depth, dangerous to surface navigation		
14.1		Underwater rock of known depth inside the corresponding depth area		
14.2		Underwater rock of known depth outside the corresponding depth area, dangerous to surface navigation		
15		Underwater rock of known depth, not dangerous to surface navigation		






























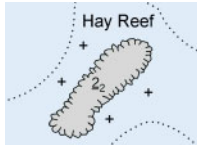








# K Rocks, Wrecks and Obstructions

16		Coral reef which is always covered			
17		Breakers			
Wrecks and Fouls					
Supplementary national symbols: c					
Plane of Reference for Depths → H					
20		Wreck, never covers, on large-scale charts			
21		Wreck, covers and uncovers, on large-scale charts			
22		Submerged wreck, depth known, on large-scale charts			
23		Submerged wreck, depth unknown, on large-scale charts			
24		Wreck showing any portion of hull or superstructure at level of Chart Datum			
25		Wreck of which the mast(s) only are visible at Chart Datum			
26		Wreck, least depth known by sounding only			
27		Wreck, least depth known, swept by wire drag or diver			
28		Dangerous wreck, depth unknown			
29		Sunken wreck, not dangerous to surface navigation			
30		Wreck, least depth unknown, but considered to have a safe clearance to the depth shown			
31		Foul ground, non-dangerous to navigation but to be avoided by vessels anchoring, trawling, etc. (e.g. remains of wreck, cleared platform)			

# K Rocks, Wrecks and Obstructions

Obstructions and Aquaculture					
Plane of Reference for Depths → H		Kelp, Seaweed → J		Underwater Installations → L	
40	 	Obstruction, depth unknown			
41	 	Obstruction, least depth known by sounding only			
42	 	Obstruction, least depth known, swept by wire drag or diver			
43.1	 	Stumps of posts or piles, wholly submerged		 	
43.2		Submerged pile, stake, snag, or stump (with exact position)	   		
44.1		Fishing stakes			
44.2		Fish trap, Fish weir, Tunny nets			
45	 	Fish trap area, Tunny nets area			
46.1	 	Fish haven	 		
46.2	 	Fish haven with minimum depth			
47		Shellfish beds			
48.1		Marine farm (on large-scale charts)			
48.2	 	Marine farm (on small-scale charts)		 	

# K Rocks, Wrecks and Obstructions

Supplementary National Symbols					
a		Rock awash (height unknown)			
b		Shoal sounding on isolated rock or rocks	 		   
c		Sunken wreck covered 20 to 30 meters			
d		Submarine volcano	 Sub vol		
e		Discolored water	 Discol water		
f		Sunken danger with depth cleared (swept) by wire drag	   		
g		Reef of unknown extent	Reef		
h		Coral reef, detached (uncovers at sounding datum)	 Co 	 Co   Co 	
i		Submerged crib	 Subm crib	 Crib	
j		Crib, duck blind (above water)	 Duck Blind  Crib		
k		Submerged duck blind	 Duck Blind		
l		Submerged platform	 Subm platform	 Platform	
m		Coral reef which covers and uncovers			
n		Sinkers			
o		Foul area, foul with rocks or wreckage, dangerous to navigation	 Foul  Wks  Wreckage		
p		Unexploded ordnance	 Unexploded Ordnance	 Unexploded Ordnance	
q		Float	 Float		
r		Stumps of posts or piles, which cover and uncover	 Subm piles		